

Title (en)

MIXED PHASES BASED ON BISMUTH AND CHROMIUM OXIDES AND PROCESS FOR PREPARING THEM

Publication

**EP 0103091 B1 19851009 (DE)**

Application

**EP 83106531 A 19830705**

Priority

- DE 3226891 A 19820717
- DE 3315849 A 19830430

Abstract (en)

[origin: US4529448A] Yellow to orange-red bismuth oxide-chromium oxide mixed phase pigments having a specific surface from about 1 to 10 m<sup>2</sup>/g and the composition Bi<sub>2</sub>-xCr<sub>x</sub>O<sub>3</sub> wherein x is from about 0.05 to 0.5 are produced by mixing the appropriate quantities of finely disperse bismuth-(III)- and chromium-(III)- or chromium-(VI)-compounds, calcining the mixture in air at a temperature from about 500 DEG to 800 DEG C. and subsequently grinding. The products are suitable for pigmenting lacquers, plastics and dispersion dyes.

IPC 1-7

**C09C 1/34**; **C01B 13/18**; **C01G 37/00**; **C01B 13/32**

IPC 8 full level

**C01B 13/18** (2006.01); **C01B 13/32** (2006.01); **C01G 37/00** (2006.01); **C09C 1/34** (2006.01)

CPC (source: EP US)

**C01B 13/18** (2013.01 - EP US); **C01G 37/00** (2013.01 - EP US); **C09C 1/34** (2013.01 - EP US); **C01P 2002/52** (2013.01 - EP US); **C01P 2006/12** (2013.01 - EP US); **C01P 2006/60** (2013.01 - EP US)

Citation (examination)

- EP 0099499 A1 19840201 - BAYER AG [DE]
- CHEMICAL ABSTRACTS, Band 72, Nr. 14, 6. April 1970, Seite 411, Nr. 71837a, Columbus, Ohio, USA KUNIO MASUNO: "Crystal studies of the Bi<sub>2</sub>O<sub>3</sub>-Ce<sub>2</sub>O<sub>3</sub> system"

Cited by

EP1190988A3

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**DE 3315849 A1 19840119**; DE 3360982 D1 19851114; EP 0103091 A1 19840321; EP 0103091 B1 19851009; US 4529448 A 19850716; US 4617061 A 19861014

DOCDB simple family (application)

**DE 3315849 A 19830430**; DE 3360982 T 19830705; EP 83106531 A 19830705; US 51104083 A 19830705; US 68297484 A 19841218